

**From:** PBI / Ex. 4  
**Sent:** 9/20/2018 9:25:53 PM  
**To:** Bauer, Jeff [Bauer.Jeff@epa.gov]  
**Subject:** RE: PBI / Ex. 4  
**Attachments:** Ester Amine SDS.pdf

Hi Jeff,

We will get this uploaded into CDX tomorrow. Attaching a courtesy copy for you here. Changes made on page 2.

**Conditions for safe storage, including any incompatibilities** Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

**Occupational exposure limits** This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Impervious gloves.

#### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Thank you,

**PBI / Ex. 4**

**From:** "Bauer, Jeff" <Bauer.Jeff@epa.gov>  
**To:** PBI / Ex. 4  
**Date:** 09/20/2018 02:54 PM  
**Subject:** PBI / Ex. 4

Yes, that environmental language is perfect.

Jeff Bauer - Program Manager  
United States Environmental Protection Agency (USEPA)  
Office of Pollution Prevention and Toxics (OPPT)  
New Chemicals Program (7405M)  
<http://www.epa.gov/oppt/newchems/>

EPA East Building, room 4133M  
1201 Constitution Ave., NW  
Washington, DC 20004  
Phone: 202-564-9042, Fax: 202-564-9490

**From:** [REDACTED] **PBI / Ex. 4**  
**Sent:** Thursday, September 20, 2018 3:26 PM  
**To:** Bauer, Jeff <Bauer.Jeff@epa.gov>  
**Cc:** [REDACTED] **PBI / Ex. 4**  
**Subject:** RE: [REDACTED] **PBI / Ex. 4**

Quick question--working on the SDS. Will add impervious gloves to section 7.

Section 2 already says "hazardous to the aquatic environment" and section 12 says "Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected." Is that sufficient?

See attached SDS.

**PBI / Ex. 4**

## SAFETY DATA SHEET

### 1. Identification

Product identifier **ESTER AMINE** **PBI / Ex. 4**

Other means of identification

Product code RD-291

Recommended use Surfactant

Recommended restrictions For industrial use only.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name

Address

**PBI / Ex. 4**

Telephone

E-mail

Emergency phone number

General

Not available.

Medical

Chemtrec

Chemtrec Int'l

**PBI / Ex. 4**

1-800-228-5635

1-800-424-9300

+1 703-527-3887

### 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards Not classified.

Label elements

Thank you,

**PBI / Ex. 4**

From: "Bauer, Jeff" <Bauer.Jeff@epa.gov>

**PBI / Ex. 4**

Date: 08/20/2010 10:31 PM

Subject: RE: **PBI / Ex. 4**

Can you call me, I need you to update your SDS to include "impervious Gloves"

Jeff Bauer - Program Manager  
United States Environmental Protection Agency (USEPA)  
Office of Pollution Prevention and Toxics (OPPT)  
New Chemicals Program (7405M)  
<http://www.epa.gov/oppt/newchems/>

EPA East Building, room 4133M  
1201 Constitution Ave., NW  
Washington, DC 20004  
Phone: 202-564-9042, Fax: 202-564-9490

From: **PBI / Ex. 4**  
Sent: Wednesday, June 20, 2018 10:23 AM  
To: Bauer, Jeff <[Bauer.Jeff@epa.gov](mailto:Bauer.Jeff@epa.gov)>  
Cc: **PBI / Ex. 4**  
Subject: RE: **PBI / Ex. 4**

Hi Jeff,

Just wanted to let you know the submission has been kicked out of CDX a couple times for special characters. We just uploaded and submitted again this morning.

Please let us know if you need anything.

Thank you,

**PBI / Ex. 4**

From: "Bauer, Jeff" <[Bauer.Jeff@epa.gov](mailto:Bauer.Jeff@epa.gov)>  
To: **PBI / Ex. 4**  
Date: ~~06/15/2018 11:45 AM~~  
Subject: RE: **PBI / Ex. 4**

---

**PBI / Ex. 4**

Jeff Bauer - Program Manager  
United States Environmental Protection Agency (USEPA)  
Office of Pollution Prevention and Toxics (OPPT)  
New Chemicals Program (7405M)  
<http://www.epa.gov/oppt/newchems/>

EPA East Building, room 4133M  
1201 Constitution Ave., NW  
Washington, DC 20004  
Phone: 202-564-9042, Fax: 202-564-9490

From: **PBI / Ex. 4**  
Sent: Friday, June 15, 2018 11:50 AM  
To: Bauer, Jeff <Bauer.Jeff@epa.gov>  
Cc: **PBI / Ex. 4** <schechter.katheryn@epa.gov>  
Subject: RE: **PBI / Ex. 4**

Hi Jeff,

Just wanted to let you know we submitted via CDX just now. Let us know if you need anything else and have a good weekend!

Thank you,

**PBI / Ex. 4**

From: "Bauer, Jeff" <Bauer.Jeff@epa.gov>  
To: **PBI / Ex. 4**  
Cc: <schechter.katheryn@epa.gov> <schechter.katheryn@epa.gov>, **PBI / Ex. 4**  
Date: 06/14/2018 02:54 PM  
Subject: **PBI / Ex. 4**

---

**PBI / Ex. 4**

You can attach the FaxI like you would any attachment to the PMN.  
On the cover sheet you can mention that the EPA can use Tri... in its support documents.

A good Generic Name would be:

**PBI / Ex. 4**

Jeff Bauer - Program Manager  
United States Environmental Protection Agency (USEPA)  
Office of Pollution Prevention and Toxics (OPPT)  
New Chemicals Program (7405M)  
<http://www.epa.gov/oppt/newchems/>

EPA East Building, room 4133M  
1201 Constitution Ave., NW  
Washington, DC 20004  
Phone: 202-564-9042, Fax: 202-564-9490

From: **PBI / Ex. 4**  
Sent: Wednesday, June 13, 2018 1:03 PM

To: Bauer, Jeff <Bauer.Jeff@epa.gov>

Cc: [schechter.katheryn@epa.gov](mailto:schechter.katheryn@epa.gov); [REDACTED]

**PBI / Ex. 4**

Subject: [REDACTED] **PBI / Ex. 4**

Hi Jeff and Kathy,

Jeff--thanks for speaking with [REDACTED] and I yesterday. Just want to confirm a few things:

[REDACTED] submitted a few synonyms in the chemical identification section of the PMN. Can you confirm which generic name below will be used for publication? We will list that name in the additional documentation that you requested.

- Ester Amine [REDACTED] **PBI / Ex. 4**

- [REDACTED] **PBI / Ex. 4**
- [REDACTED] **PBI / Ex. 4**
- [REDACTED] **PBI / Ex. 4**
- [REDACTED] **PBI / Ex. 4**

Regarding the CDX upload:

- Is there a particular section where we should attach the documents?
- For the sanitized copy, I did not see a section of sanitized documents listed in the attachments summary. Is it attached to the end of the unsanitized version? Or uploaded elsewhere?

Thank you!

**PBI / Ex. 4**